AMERICAN UNIVERSITY OBSERVATORY

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WEATHER BUREAU

MONTHLY BULLETIN

METEOROLOGICAL SECTION

OWEN GINGERICH, DIRECTOR

GIORGIO CONTINO, ASSOCIATE DIRECTOR

BEIRUT, LEBANON

Latitude: 33° 54' 22" N.

Longitude: $2^h\ 21^m\ 52^s.7$ E.

JULY 1957

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JULY 1957

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20.30	Mean
1	56.6	57.0	56.7	56.8	29.1	23.6	27.6	28.5	24.4	26.8
2	55.5	55.3	55.7	55.5	29.3	21.5	27.5	27.8	24.5	26.6
3	55.6	56.0	57.0	56.2	29.0	23.1	26.1	28.9	24.1	26.4
4	58 3	58.3	58.7	58.4	29.8	24.2	27.0	29.1	25.4	27.2
5	58.6	57.9	58.4	58.3	30.7	24.0	29.4	29.7	25.8	28.3
6	58.3	58.0	57.5	57.9	30.4	23.1	28.6	29.6	25.1	27.8
7	56.8	56 6	56.2	56.5	30.6	23.5	27.7	30.2	25.3	27.7
8	56.2	55.7	55.3	55.7	30.2	24.2	27.1	29.4	25.8	27.4
9	55.7	54.7	53.7	54.7	31.4	24.2	28.1	30.3	26.2	28.2
10	52.5	52.1	51.7	52.1	31.2	24.7	28.5	30.7	26.4	28.5
11	51.8	52.5	52.5	52.3	31.3	24.0	28.6	30.8	26.1	28.5
12	53.5	53.6	53.8	53.6	31.1	23.9	28.3	30.8	26.0	28.4
13	54.2	54.0	53.5	53.9	31.5	23.5	28.3	30.6	25.7	28.2
14	52.4	52.0	51.9	52.1	30.4	24.1	28.3	29.7	25.9	28.0
15	51.5	52.2	53.5	52.4	31.1	23.8	28.5	30.6	25.8	28.3
16	54.3	53.9	54.6	54.3	32.0	24.2	28.3	31.1	26.5	28.6
17	55.5	55.4	55.6	55.5	31.8	24.0	28.6	31.2	26.7	28.8
18	56.1	56.2	56.0	56.1	32.1	23.5	28.7	31.3	26.6	28.9
19	56.3	56.0	56.0	56.1	31.3	23.7	28.2	31.1	26.1	28.5
20	55.8	55.1	54.9	55.3	31.2	23.8	28.3	30.6	26.1	28.3
21	54.9	54.3	54.6	54.6	31.5	23.7	28.4	30.8	26.3	28.5
22	54.9	54.8	55.1	54.9	31.6	24.1	28.7	30.8	26.1	28.5
23	55.3	55.2	55.7	55.4	31.5	24.4	28.6	31.1	26.3	28.7
24	56.1	56.1	56.1	56.1	30.9	23.7	28.3	30.5	26.0	23.3
25	56.7	56.7	57.0	56.8	31.1	23.2	28.9	30.9	25.8	28.5
26	57.4	57.3	57.1	57.3	30.9	24.6	27.9	30.1	25.6	27.9
27	57.2	56.7	56.1	56.7	30.0	25.1	27.8	29.5	25.6	27.6
28	56.1	55.8	55.8	55.9	31.2	26.6	28.2	30.2	27.8	28.7
29	56.9	57.1	57.5	57.2	29.5	26.2	28.1	28.4	27.1	27.9
30	57.6	57.3	57.1	57.3	29.6	26.1	27.6	28.9	26.9	27.8
31	56.8	56.4	55.9	56.4	32.7	26.0	29.9	31.6	27.6	29.7
	55.66	55.49	55.52	55.56	30.48	24.14	28.20	30.15	25.99	28.11

Barometer, range for month 758.7 mm. — 751.5 mm.
„ 71-yr. average for month 755.46 mm.
Thermometer, range for month 32.7°C — 21.5°C
„ 71-yr. average for month 28.02°C
Rain total for month 8.43 mm.
„ 71-yr average for month 0.44 mm.
„ Total, Sept. 1st. to end of month 681.48 mm.
„ 71-yr average. Sept. 1st. to end of month 891.85 mm.

JUNE 1957

METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	21.7	20.6	19.8	20.7	58	54	66	59	12.0	436	
2	19.5	20.4	19.8	19.9	55	54	65	58	10.6	391	
3	25.4	22.2	21.5	23.0	63	55	73	64	9.7	243	8.43
4	24.9	25.7	25.5	25.4	68	64	79	70	11.7	288	
5	26.7	27.4	28.3	27.5	65	67	86	73	12.7	295	
6	26.8	26.7	25.3	26.3	71	65	81	72	12.5	266	
7	27.3	26.2	27.6	27.0	73	62	84	73	12.7	217	
8	26.3	28.1	27.6	27.3	72	68	85	75	11.9	185	
9	29.0	28.8	29.3	29.0	74	66	86	75	12.5	465	
10	28.3	29.5	27.2	28.3	73	67	82	74	12.5	779	
11	25.4	27.2	25.1	25.9	67	63	74	68	12.3	615	
12	25.4	26.5	27.9	26.6	66	61	82	70	11.7	538	
13	26.8	27.2	25.5	26.5	69	62	79	70	12.4	475	
14	22.6	22.4	22.4	22.5	58	56	66	60	12.4	550	
15	22.6	24.3	24.8	23.9	59	56	76	64	11.1	262	
16	26.8	28.3	28.2	27.8	69	62	80	70	12.6	188	
17	28.3	28.3	27.4	28.0	74	63	79	72	12 5	277	
18	29.3	26.8	26.7	27.6	75	59	78	71	12.7	357	
19	26.8	25.3	26.5	26.2	69	57	79	68	12.6	275	
20	26.8	25.8	25.7	26.8	69	59	76	68	12.4	336	
21	26.1	25.0	25.7	25.6	67	59	78	68	11.0	393	
22	24.2	25.0	25.7	25.0	62	57	76	65	12.2	301	
23	25.4	26.8	27.2	26.5	67	59	80	69	12.2	180	
24	24.7	24.3	24.4	24.5	64	56	73	64	12.1	356	
25	24.9	26.1	22.8	24.6	62	58	70	63	12.6	330	
26	28.0	23.3	23.5	24.9	75	55	72	67	12.6	182	
27	24.4	25.2	26.2	25.3	65	62	80	69	11.1	301	
28	27.8	27.7	29.5	28.3	70	66	79	72	10.5	161	
29	29.0	28.3	29.9	29.1	76	74	83	78	0.0	148	
30	22.4	28.6	28.9	26.6	61	73	83	72	0.1	227	
31	28.4	31.0	29.5	29.6	67	67	79	71	11.2	399	
	25.87	26.10	25.98	26.01	67.2	61.5	77.7	68.8	11.20	336.00	0. 27

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M.O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20:30 for the preceding 24 hours.
71 vear averages are for period, 1875-1945

JULY 1957

METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	2cu-st	6cu-st	2.7	3sw	3sw	2w	light	
2	7cu-st	6cu-st	8cu-st	7.0	3sw	3w	3sw	,,	
3	9cu-st	5cu-st	0	4.7	3sw	2w	2w	,,	
4	5cu-st	1cu	0	2.0	2nw	2nw	3ne	,,	
5	2cu-ci	0	0	0.7	3nw	3n	2nw	,,	D.p.m
6	0	0	0	0.0	3sw	3sw	2sw	light	D.p.m
7	0	0	0	0.0	2sw	3sw	2sw	,,	H.a.m.p.m.D.p.m
8	2cu-st	0	0	0.7	2sw	2nw	1nw	,,	D.p.m
9	0	0	0	0.0	3sw	3w	2w	,,	H.a.m.p.m.D.p.m
10	0	0	0	0.0	4sw	3sw	3sw	,,	H.a.m.p.m.D.p.m
11	1cu	1cu	0	0.7	4sw	3sw	3sw	slight	H.a.m.p.m
12	0	0	0	0.0	3sw	3sw	2sw	light	H.a.m.p.m.D.p.m
13	2cu-st	0	0	0.7	4sw	3sw	2sw	,,	H.a.m.p.m
14	1cu	1cu-st	0	0.7	3sw	3sw	3sw	,,	
15	4cu-st	1cu	1cu	2.0	3sw	3w	2w	,,	H.p.m
16	0	0	0	0.0	3sw	3w	1w	light	H.a.m
17	5cu-st	0	0	1.7	3sw	3sw	2nw	,,	D.a.m
18	0	0	0	0.0	3sw	3sw	3w	,,	H.a.m.p.m
19	3cu-st	0	0	1.0	3sw	3w	2w	,,	H.a.m
20	4cu-st	2cu-st	0	2.0	3sw	3sw	2sw	,,	
21	4cu-st	4cu-st	4cu-st	4.0	3sw	3sw	2sw	light	
22	0	3st	0	1.0	3sw	3sw	2sw	,,	
23	1cu-st	0	0	0.3	3sw	3sw	1w	,,	
24	2cu-st	0	4cu-st	2.0	3sw	3sw	3sw	,,	
25	2cu-st	3cu-st	0	1.7	3sw	3sw	3w	,,	
26	0	1st	0	0.3	3sw	3w	2w	light	
27	0	0	0	0.0	3w	3n	3ne	,,	
28	4cu-st	2st	10st	5.3	3nw	3nw	1ne	,,	
29	9st	10st	10st	9.7	3w	2nw	1ne	,,	
30	10st	10st	10st	10.0	2nw	2ne	2ne	,,	
31	2st	0	0	0.7	2ne	3ne	3ne	,,	
	mean			1.99					

Abbreviations : G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	1	0	0	0	24	2	4	0	31
14:30	2	2	0	0	0	16	7	4	0	31
20:30	0	6	0	0	0	12	10	3	0	31
Total	2	9	0	0	0	52	19	11	0	93

Number of days with rain 1, fog 0, thunderstorms 0, gale. 0
71 yr. av. number of days with rain during month ~~0.79~~ 0,17
Time of reading minus 2 hours equals G.C.T